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STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND MATERIALS
BUREAU CENTRAL LABORATORY

BORING LOG

Hinesburg HES 021-1(19)
(GeoDesign #750-09.18)
Hinesburg, VT

Boring No.: B1-RC
Page No.: 1 of 1
Pin No.: 04b204
Checked By: JFW

Boring Crew: T. Farrell (SJB), M. Hagedorn (GeoDesign)
Date Started: 6/02/15 Date Finished: 6/02/15
VTSPG NAD83: N 670950.00 ft E 1479488.00 ft
Station: 280+25 Offset: 16 'RT
Ground Elevation: 379 ft

	Casing	Sampler
Type:	FJ	NA
I.D.:	4.25 in	
Hammer Wt:	140 lb.	N.A.
Hammer Fall:	30 in.	N.A.
Hammer/Rod Type:	Auto/NWJ	
Rig:	CME 550X ATV	CE = 1.35

Groundwater Observations (3)

Date	Depth (ft)	Notes
06/02/15		None observed.

Depth (ft)	Strata(1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)(2)	Moisture Content %	Gravel %	Sand %	Fines %
		Inferred General Sand & Gravel Fill (From Auger Spoils)								
2.5		C1 (2.5'-5'): Fair quality, moderately hard to hard, fresh with slightly weathered joints, very close to moderate jointing gray with infrequent white inclusions DOLOSTONE. Moderate reaction to dilute HCl when powdered. Jointing near horizontal with occasional near vertical fractures.	C1	87 (67)	1.5 2.4					
5.0		C2 (5'-7.5'): Excellent quality, moderately hard to hard, fresh with slightly weathered joints, moderate jointing, gray with occasional white inclusions DOLOSTONE. Moderate reaction to dilute HCl when powdered. Jointing near horizontal.	C2	100 (100)	2.1 2.6					
7.5		Hole stopped @ 7.5 ft Cored 5' into inferred bedrock.								
10.0										
12.5										
15.0										
17.5										

Remarks:
1. Ground surface elevation, northing, easting, station, and offset shown are approximated from ties made from existing features in the field by GeoDesign personnel, the Preliminary Plan Set prepared by VHB and dated 4/30/2015, and an electronic site plan titled "z04b204sv.dgn" provided by VHB via email on June 26, 2015.
2. Casing hammered to refusal at 2.5' deep. Begin core C1 at 2.5' deep.
3. Noted water return to be completely from around the outside of the casing during core bit advance below 4' deep.
4. Core block encountered at 5'. Retrieved 2.2' of cored rock and proceeded to advance core run C2 from 5' to 7.5' deep.
5. Consistent milky gray return color throughout coring.
6. Backfilled with 1.5 gallons of bentonite chips and cuttings.

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

GEODESIGN BORING LOG 750-09.18 HINESBURG.GPJ VERMONT AOT.GDT 7/31/15